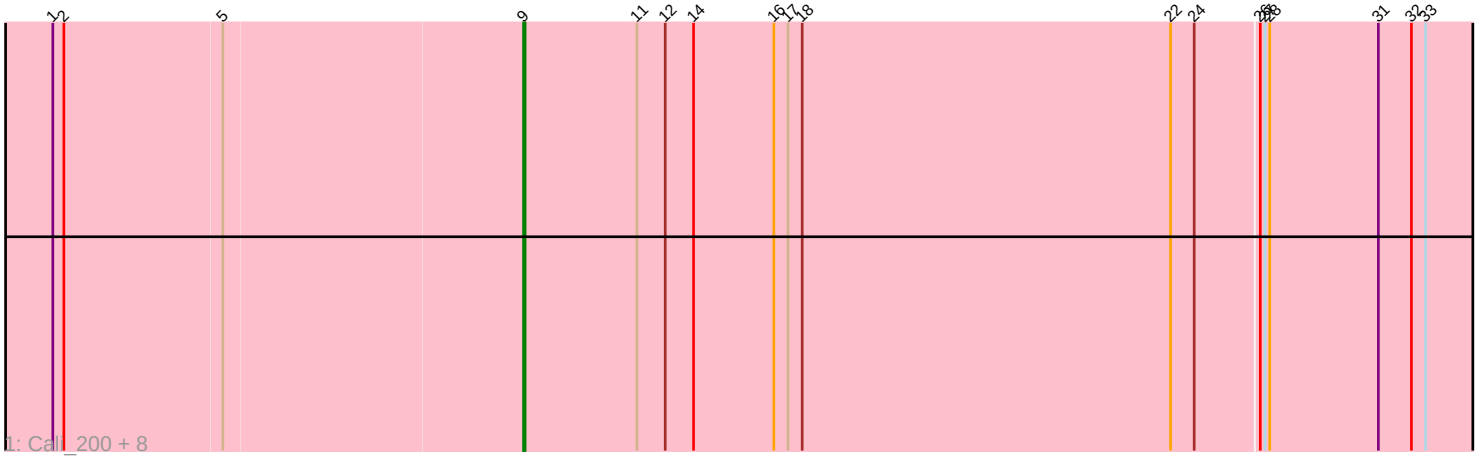
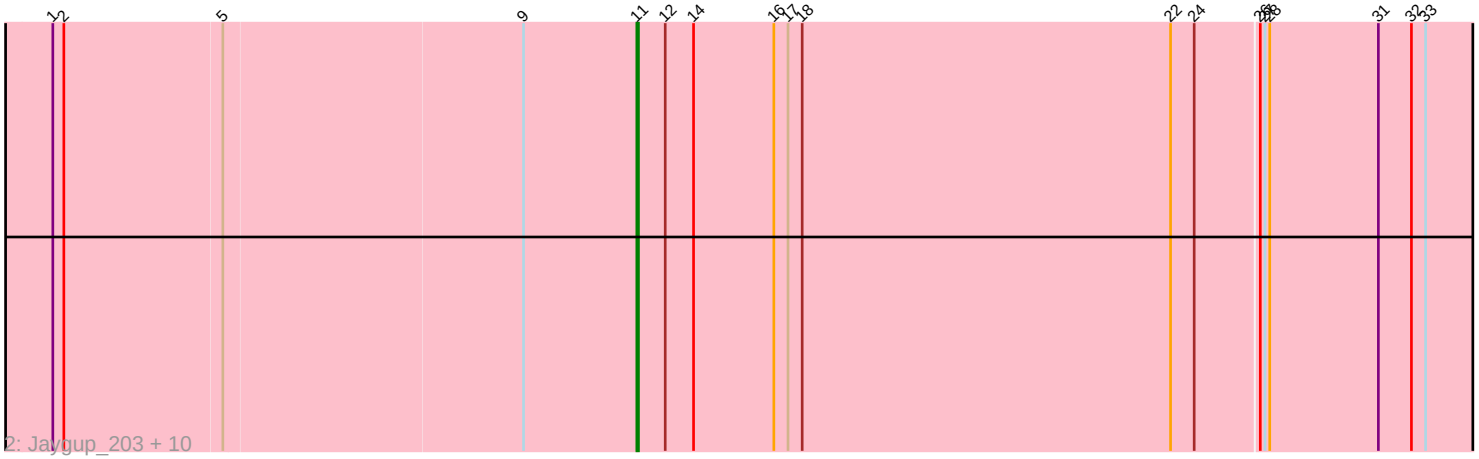
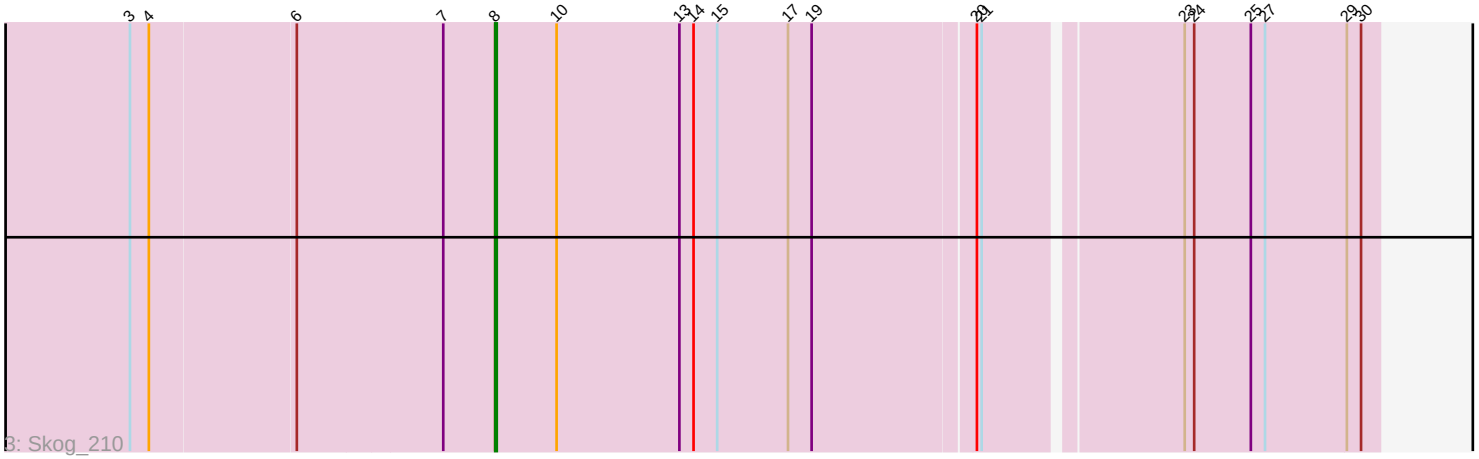
Pham 346160


1
2
5
9
11
12
14
16
17
18
22
24
31
32
33
1: Cali_200 + 8


1
2
5
9
11
12
14
16
17
18
22
24
31
32
33
2: Jaygup_203 + 10


3
4
6
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21
23
24
25
27
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30
3: Skog_210

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 346160 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346160 has 21 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Cali_200, DTDevon_209, Bxz1_197, Cleatunium_200, JPickles_203, ScottMcG_200, Rizal_199, Spud_201, Catera_199
• Track 2 : Jaygup_203, ArcherS7_207, ET08_195, SVoro_203, Substance289_204, Pupusa_211, Puhon_209, Rocha_204, Tainan_208, Bangla1971_207, Fongie_208
• Track 3 : Skog_210

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bxz1_197, Cali_200, Catera_199, Cleatunium_200, DTDevon_209, JPickles_203, Rizal_199, ScottMcG_200, Spud_201,

Genes that have the "Most Annotated" start but do not call it:
• ArcherS7_207, Bangla1971_207, ET08_195, Fongie_208, Jaygup_203, Puhon_209, Pupusa_211, Rocha_204, SVoro_203, Substance289_204, Tainan_208,

Genes that do not have the "Most Annotated" start:
• Skog_210,

Summary by start number:

Start 8:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Skog_210 (DO),

Start 9:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 45.0% of time when present

• Phage (with cluster) where this start called: Bxz1_197 (C1), Cali_200 (C1), Catera_199 (C1), Cleatunium_200 (C1), DTDevon_209 (C1), JPickles_203 (C1), Rizal_199 (C1), ScottMcG_200 (C1), Spud_201 (C1),

Start 11:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 55.0% of time when present
• Phage (with cluster) where this start called: ArcherS7_207 (C1), Bangla1971_207 (C1), ET08_195 (C1), Fongie_208 (C1), Jaygup_203 (C1), Puhon_209 (C1), Pupusa_211 (C1), Rocha_204 (C1), SVoro_203 (C1), Substance289_204 (C1), Tainan_208 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: DO, C1,

Info for manual annotations of cluster C1:
•Start number 9 was manually annotated 9 times for cluster C1.
•Start number 11 was manually annotated 5 times for cluster C1.

Info for manual annotations of cluster DO:
•Start number 8 was manually annotated 1 time for cluster DO.

Gene Information:

Gene: ArcherS7_207 Start: 111644, Stop: 112174, Start Num: 11
Candidate Starts for ArcherS7_207:
(1, 111281), (2, 111287), (5, 111386), (Start: 9 @111572 has 9 MA's), (Start: 11 @111644 has 5 MA's), (12, 111662), (14, 111680), (16, 111731), (17, 111740), (18, 111749), (22, 111983), (24, 111998), (26, 112037), (27, 112040), (28, 112043), (31, 112112), (32, 112133), (33, 112142),

Gene: Bangla1971_207 Start: 110608, Stop: 111138, Start Num: 11
Candidate Starts for Bangla1971_207:
(1, 110245), (2, 110251), (5, 110350), (Start: 9 @110536 has 9 MA's), (Start: 11 @110608 has 5 MA's), (12, 110626), (14, 110644), (16, 110695), (17, 110704), (18, 110713), (22, 110947), (24, 110962), (26, 111001), (27, 111004), (28, 111007), (31, 111076), (32, 111097), (33, 111106),

Gene: Bxz1_197 Start: 113602, Stop: 114204, Start Num: 9
Candidate Starts for Bxz1_197:
(1, 113311), (2, 113317), (5, 113416), (Start: 9 @113602 has 9 MA's), (Start: 11 @113674 has 5 MA's), (12, 113692), (14, 113710), (16, 113761), (17, 113770), (18, 113779), (22, 114013), (24, 114028), (26, 114067), (27, 114070), (28, 114073), (31, 114142), (32, 114163), (33, 114172),

Gene: Cali_200 Start: 112009, Stop: 112611, Start Num: 9
Candidate Starts for Cali_200:
(1, 111718), (2, 111724), (5, 111823), (Start: 9 @112009 has 9 MA's), (Start: 11 @112081 has 5 MA's), (12, 112099), (14, 112117), (16, 112168), (17, 112177), (18, 112186), (22, 112420), (24, 112435), (26, 112474), (27, 112477), (28, 112480), (31, 112549), (32, 112570), (33, 112579),

Gene: Catera_199 Start: 109743, Stop: 110345, Start Num: 9

Candidate Starts for Catera_199:
(1, 109452), (2, 109458), (5, 109557), (Start: 9 @109743 has 9 MA's), (Start: 11 @109815 has 5 MA's), (12, 109833), (14, 109851), (16, 109902), (17, 109911), (18, 109920), (22, 110154), (24, 110169), (26, 110208), (27, 110211), (28, 110214), (31, 110283), (32, 110304), (33, 110313),

Gene: Cleatunium_200 Start: 110462, Stop: 111064, Start Num: 9
Candidate Starts for Cleatunium_200:
(1, 110171), (2, 110177), (5, 110276), (Start: 9 @110462 has 9 MA's), (Start: 11 @110534 has 5 MA's), (12, 110552), (14, 110570), (16, 110621), (17, 110630), (18, 110639), (22, 110873), (24, 110888), (26, 110927), (27, 110930), (28, 110933), (31, 111002), (32, 111023), (33, 111032),

Gene: DTDevon_209 Start: 112568, Stop: 113170, Start Num: 9
Candidate Starts for DTDevon_209:
(1, 112277), (2, 112283), (5, 112382), (Start: 9 @112568 has 9 MA's), (Start: 11 @112640 has 5 MA's), (12, 112658), (14, 112676), (16, 112727), (17, 112736), (18, 112745), (22, 112979), (24, 112994), (26, 113033), (27, 113036), (28, 113039), (31, 113108), (32, 113129), (33, 113138),

Gene: ET08_195 Start: 110876, Stop: 111406, Start Num: 11
Candidate Starts for ET08_195:
(1, 110513), (2, 110519), (5, 110618), (Start: 9 @110804 has 9 MA's), (Start: 11 @110876 has 5 MA's), (12, 110894), (14, 110912), (16, 110963), (17, 110972), (18, 110981), (22, 111215), (24, 111230), (26, 111269), (27, 111272), (28, 111275), (31, 111344), (32, 111365), (33, 111374),

Gene: Fongie_208 Start: 111656, Stop: 112186, Start Num: 11
Candidate Starts for Fongie_208:
(1, 111293), (2, 111299), (5, 111398), (Start: 9 @111584 has 9 MA's), (Start: 11 @111656 has 5 MA's), (12, 111674), (14, 111692), (16, 111743), (17, 111752), (18, 111761), (22, 111995), (24, 112010), (26, 112049), (27, 112052), (28, 112055), (31, 112124), (32, 112145), (33, 112154),

Gene: JPickles_203 Start: 109179, Stop: 109781, Start Num: 9
Candidate Starts for JPickles_203:
(1, 108888), (2, 108894), (5, 108993), (Start: 9 @109179 has 9 MA's), (Start: 11 @109251 has 5 MA's), (12, 109269), (14, 109287), (16, 109338), (17, 109347), (18, 109356), (22, 109590), (24, 109605), (26, 109644), (27, 109647), (28, 109650), (31, 109719), (32, 109740), (33, 109749),

Gene: Jaygup_203 Start: 110312, Stop: 110842, Start Num: 11
Candidate Starts for Jaygup_203:
(1, 109949), (2, 109955), (5, 110054), (Start: 9 @110240 has 9 MA's), (Start: 11 @110312 has 5 MA's), (12, 110330), (14, 110348), (16, 110399), (17, 110408), (18, 110417), (22, 110651), (24, 110666), (26, 110705), (27, 110708), (28, 110711), (31, 110780), (32, 110801), (33, 110810),

Gene: Puhon_209 Start: 111865, Stop: 112395, Start Num: 11
Candidate Starts for Puhon_209:
(1, 111502), (2, 111508), (5, 111607), (Start: 9 @111793 has 9 MA's), (Start: 11 @111865 has 5 MA's), (12, 111883), (14, 111901), (16, 111952), (17, 111961), (18, 111970), (22, 112204), (24, 112219), (26, 112258), (27, 112261), (28, 112264), (31, 112333), (32, 112354), (33, 112363),

Gene: Pupusa_211 Start: 112634, Stop: 113164, Start Num: 11
Candidate Starts for Pupusa_211:
(1, 112271), (2, 112277), (5, 112376), (Start: 9 @112562 has 9 MA's), (Start: 11 @112634 has 5 MA's), (12, 112652), (14, 112670), (16, 112721), (17, 112730), (18, 112739), (22, 112973), (24, 112988), (26, 113027), (27, 113030), (28, 113033), (31, 113102), (32, 113123), (33, 113132),

Gene: Rizal_199 Start: 109486, Stop: 110088, Start Num: 9
Candidate Starts for Rizal_199:
(1, 109195), (2, 109201), (5, 109300), (Start: 9 @109486 has 9 MA's), (Start: 11 @109558 has 5 MA's), (12, 109576), (14, 109594), (16, 109645), (17, 109654), (18, 109663), (22, 109897), (24, 109912), (26, 109951), (27, 109954), (28, 109957), (31, 110026), (32, 110047), (33, 110056),

Gene: Rocha_204 Start: 110793, Stop: 111323, Start Num: 11
Candidate Starts for Rocha_204:
(1, 110430), (2, 110436), (5, 110535), (Start: 9 @110721 has 9 MA's), (Start: 11 @110793 has 5 MA's), (12, 110811), (14, 110829), (16, 110880), (17, 110889), (18, 110898), (22, 111132), (24, 111147), (26, 111186), (27, 111189), (28, 111192), (31, 111261), (32, 111282), (33, 111291),

Gene: SVoro_203 Start: 111652, Stop: 112182, Start Num: 11
Candidate Starts for SVoro_203:
(1, 111289), (2, 111295), (5, 111394), (Start: 9 @111580 has 9 MA's), (Start: 11 @111652 has 5 MA's), (12, 111670), (14, 111688), (16, 111739), (17, 111748), (18, 111757), (22, 111991), (24, 112006), (26, 112045), (27, 112048), (28, 112051), (31, 112120), (32, 112141), (33, 112150),

Gene: ScottMcG_200 Start: 109992, Stop: 110594, Start Num: 9
Candidate Starts for ScottMcG_200:
(1, 109701), (2, 109707), (5, 109806), (Start: 9 @109992 has 9 MA's), (Start: 11 @110064 has 5 MA's), (12, 110082), (14, 110100), (16, 110151), (17, 110160), (18, 110169), (22, 110403), (24, 110418), (26, 110457), (27, 110460), (28, 110463), (31, 110532), (32, 110553), (33, 110562),

Gene: Skog_210 Start: 133881, Stop: 134423, Start Num: 8
Candidate Starts for Skog_210:
(3, 133656), (4, 133668), (6, 133758), (7, 133848), (Start: 8 @133881 has 1 MA's), (10, 133920), (13, 133998), (14, 134007), (15, 134022), (17, 134067), (19, 134082), (20, 134181), (21, 134184), (23, 134301), (24, 134307), (25, 134343), (27, 134352), (29, 134403), (30, 134412),

Gene: Spud_201 Start: 110604, Stop: 111206, Start Num: 9
Candidate Starts for Spud_201:
(1, 110313), (2, 110319), (5, 110418), (Start: 9 @110604 has 9 MA's), (Start: 11 @110676 has 5 MA's), (12, 110694), (14, 110712), (16, 110763), (17, 110772), (18, 110781), (22, 111015), (24, 111030), (26, 111069), (27, 111072), (28, 111075), (31, 111144), (32, 111165), (33, 111174),

Gene: Substance289_204 Start: 110454, Stop: 110984, Start Num: 11
Candidate Starts for Substance289_204:
(1, 110091), (2, 110097), (5, 110196), (Start: 9 @110382 has 9 MA's), (Start: 11 @110454 has 5 MA's), (12, 110472), (14, 110490), (16, 110541), (17, 110550), (18, 110559), (22, 110793), (24, 110808), (26, 110847), (27, 110850), (28, 110853), (31, 110922), (32, 110943), (33, 110952),

Gene: Tainan_208 Start: 111733, Stop: 112263, Start Num: 11
Candidate Starts for Tainan_208:
(1, 111370), (2, 111376), (5, 111475), (Start: 9 @111661 has 9 MA's), (Start: 11 @111733 has 5 MA's), (12, 111751), (14, 111769), (16, 111820), (17, 111829), (18, 111838), (22, 112072), (24, 112087), (26, 112126), (27, 112129), (28, 112132), (31, 112201), (32, 112222), (33, 112231),